

## DELAWARE Profile: Jobs and the Environment

**The economy of Delaware supports numerous jobs related to environmental protection or clean technology which complements environmental protection.**

- Delaware has over 2,368 clean energy jobs from 211 businesses as of 2007.<sup>1</sup>
- Between 1998 and 2007, Delaware suffered overall jobs losses of 8.9%, while clean energy jobs declined only 2.3%.<sup>1</sup>
- In 2007, 0.47% of all jobs were related to clean energy.<sup>1</sup>
- The American Recovery and Reinvestment Act is estimated to create more than 6,000 jobs in Delaware.<sup>2</sup>
- In July 2010, Delaware Governor Markell signed into “law four renewable energy bills that together make up the Clean Energy Jobs package, which were designed to put more people to work in expanding industries such as wind and solar power . . .The clean energy bills will facilitate the potential installation of approximately 250 megawatts of new solar photovoltaic systems (enough to power approximately 62,000 homes) by 2025, resulting in the creation of hundreds of secure, quality jobs.”<sup>3</sup>

**There are 211 companies in Delaware that currently support the development, deployment or maintenance of clean technology and could benefit from increased demand for products and services.**

- Sampling of companies supporting energy efficient equipment or appliances:
  - PTM Manufacturing – at least **9 employees**<sup>4</sup>
- Sampling of companies supporting renewable energy:
  - Motech Americas, Newark, DE – over **70 employees**<sup>5</sup>
- Sampling of companies supporting alternative fuel/high efficiency vehicles:
  - Autoport Inc., Wilmington, DE – **70 employees**<sup>6</sup>
- Sampling of other green companies:
  - Dupont, Edge Moor, DE – **300 employees** producing pigments and solar materials<sup>7</sup>

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<sup>1</sup> Pew Charitable Trusts. 2009. The Clean Energy Economy: Repowering Jobs, Businesses, and Investments Across America. [http://www.pewcenteronthestates.org/uploadedFiles/Clean\\_Economy\\_Report\\_Web.pdf](http://www.pewcenteronthestates.org/uploadedFiles/Clean_Economy_Report_Web.pdf)

<sup>2</sup> Environmental Defense Fund. 2009. Clean Energy Jobs in Delaware. <http://www.edf.org/page.cfm?tagID=46121>

<sup>3</sup> State of Delaware. 2010. Governor Markell Signs Landmark Clean Energy Jobs Package.

<http://governor.delaware.gov/news/2010/1007july/20100728-energy.shtml>.

<sup>4</sup> Big deal for small companies. June 29, 2010. [http://www.delawarefirst.org/1\\_government\\_and\\_politics/a-big-deal-for-small-companies/](http://www.delawarefirst.org/1_government_and_politics/a-big-deal-for-small-companies/)

<sup>5</sup> Markell Introduces Delaware Clean Energy Jobs Act. March 10, 2010.

<http://governor.delaware.gov/news/2010/1003march/20100310-cleanenergyjobs.shtml>

<sup>6</sup> Local plant to start building electric cars next month. February 19, 2009.

[http://www.philly.com/philly/classifieds/cars/green\\_cars/Local\\_plant\\_to\\_start\\_building\\_electric\\_cars\\_next\\_month.html](http://www.philly.com/philly/classifieds/cars/green_cars/Local_plant_to_start_building_electric_cars_next_month.html)

<sup>7</sup> DuPont raises forecast for 2011. January 25, 2011.

<http://www.delawareonline.com/apps/pbcs.dll/article?AID=201101260310>

- Sansoil International, New Castle, DE – **7 employees** (with plans to hire 50 more)<sup>8</sup>

**Many new jobs have been or are expected to be created in Delaware related to clean technologies since 2009.**

#### Renewable Energy Jobs

- *Dover SUN Park*, Dover, DE
  - Began construction on a 10 MW solar power plant in January 2011,<sup>9</sup> expected to be supporting **100-150 construction jobs**.<sup>10</sup>
- *Motech Americas*, Newark, DE<sup>11</sup>
  - Expanded solar manufacturing capacity in 2010, expected to create **75 new jobs** by end of 2010.

#### Energy Efficiency Jobs

- *PTM Manufacturing*<sup>12</sup>
  - Received \$645,000 loan from the state's Strategic Fund to expand manufacturing of efficient insulation, created **9 new jobs** in 2010.
  - Expects to create **60 new jobs** by 2013.

#### Advanced Vehicle Jobs

- *Fisker Automotive*, Wilmington, DE
  - Purchased former GM plant in July 2010, where it plans to build plug-in hybrid vehicles; expects to create over **2,000 jobs**<sup>13</sup> beginning in 2012.<sup>14</sup>

#### Other Green Jobs

- *Sansoil International*, New Castle, DE<sup>15</sup>

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<sup>8</sup> Producer of Eco-Friendly Disinfectants and Water Treatment Products Expands in Delaware, Sansoil International Awarded Strategic Fund from State. January 5, 2010.

<http://governor.delaware.gov/news/2009/201001january/220100105-ecofriendly.shtml>

<sup>9</sup> Dover SUN Park Construction Underway. January 28, 2011.

<http://www.demecinc.net/index.cfm?fuseaction=content.pageDetails&id=2838&typeID=789>

<sup>10</sup> Partnerships forging for Delmarva Peninsula's first solar park – Dover-based 10 MW facility would create green jobs, green energy for region. June 15, 2010.

<http://www.delmarva.com/welcome/news/releases/archives/2010/article.aspx?cid=1443>

<sup>11</sup> Markell Introduces Delaware Clean Energy Jobs Act. March 10, 2010.

<http://governor.delaware.gov/news/2010/1003march/20100310-cleanenergyjobs.shtml>

<sup>12</sup> Big deal for small companies. June 29, 2010. [http://www.delawarefirst.org/1\\_government\\_and\\_politics/a-big-deal-for-small-companies/](http://www.delawarefirst.org/1_government_and_politics/a-big-deal-for-small-companies/)

<sup>13</sup> Fisker Takes Possession of Former GM Plant to Build Plug-In Hybrids. July 20, 2010.

[http://media.fiskerautomotive.com/press/press\\_releases/fisker\\_takes\\_wilmington\\_assy/](http://media.fiskerautomotive.com/press/press_releases/fisker_takes_wilmington_assy/)

<sup>14</sup> Fisker Automotive. <http://www.fiskerautomotive.com/#!/experience/faq>

- Received \$750,000 loan from the state's Strategic Fund to expand manufacturing of its eco-friendly disinfection and water treatment projects, expected to create over **50 new jobs** by 2013.

**Delaware has multiple state policies that support or encourage clean technology, including technologies related to SCRs or scrubbers, energy efficiency, renewable energy and clean/more efficient automobiles.**

- [RPS](#): 25% by 2025; minimum of 3.5% solar PV
- [Energy Efficiency Resource Standard](#): Electricity savings equivalent to 15% of 2007 consumption by 2015; natural gas savings equivalent to 10% of 2007 consumption by 2015
- [Solar Renewable Energy Credits](#): approx. \$250-350/MWh
- [Non-Residential Efficiency Plus Financing Program](#): Up to \$1,000,000 in low interest loans for commercial energy efficiency improvements and incentives up to \$20,000 per facility; ARRA funded
- [Green Energy Program Public Benefits Fund](#): \$3.2 million per year to fund efficiency and renewables programs; \$0.8 million per year available for low-income assistance
- [Incentives](#): Some additional tax incentives, grant programs, rebate programs, performance-based incentives, and utility programs to incentivize energy efficiency and renewable energy installations; programs exist at the state, county, and local levels

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<sup>15</sup> Producer of Eco-Friendly Disinfectants and Water Treatment Products Expands in Delaware, Sansoil International Awarded Strategic Fund from State. January 5, 2010.  
<http://governor.delaware.gov/news/2009/201001january/220100105-ecofriendly.shtml>